

Comparisons of Job Characteristics

Focus Occupation: [Cardiovascular Technologists and Technicians \(29-2031\)](#)

Associated Occupation: [Medical and Clinical Laboratory Technicians \(29-2012\)](#)

[Compare Knowledge](#)

[Compare Skills](#)

[Compare Abilities](#)

[Compare Detailed Work Activities](#)

[Compare Tools and Technologies](#)

| | |
|----|--|
| << | Focus occupation element is much lower |
| < | Focus occupation element is lower |
| 0 | Focus occupation element is at a similar level |
| > | Focus occupation element is at a higher level |
| >> | Focus occupation element is at a much higher level |

Knowledge

Similarity of Focus Occupation to Associated Occupation: 73

Focus Occupation: Cardiovascular Technologists and Technicians (29-2031)
Associated Occupation: Medical and Clinical Laboratory Technicians (29-2012)

| Associated Occupation's Key Knowledge Elements | Average Rating, All Occupations | Associated Occupation's Rating | Focus Occupation's Rating | | Evaluation of Focus Occupation |
|--|---------------------------------|--------------------------------|---------------------------|----|--|
| Chemistry | 4.8 | 17.5 | 7.6 | << | Extensive education and/or training may be required |
| Customer and Personal Service | 11.3 | 12.9 | 18.0 | >> | Current knowledge level is likely more than sufficient |
| Medicine and Dentistry | 3.7 | 12.8 | 17.4 | >> | Current knowledge level is likely more than sufficient |
| Biology | 3.7 | 12.3 | 9.9 | < | Expanded education and/or training may be required |

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Skills

Similarity of Focus Occupation to Associated Occupation: 89

Focus Occupation: Cardiovascular Technologists and Technicians (29-2031)
Associated Occupation: Medical and Clinical Laboratory Technicians (29-2012)

| Associated Occupation's Key Skills Elements | Average Rating, All Occupations | Associated Occupation's Rating | Focus Occupation's Rating | | Evaluation of Focus Occupation |
|---|---------------------------------|--------------------------------|---------------------------|----|--|
| Science | 4.5 | 10.8 | 10.6 | 0 | Current skill level may be sufficient |
| Operation Monitoring | 6.6 | 9.5 | 10.1 | 0 | Current skill level may be sufficient |
| Quality Control Analysis | 5.9 | 8.9 | 6.2 | << | Extensive development of skills in this area may be required |
| Equipment Maintenance | 3.5 | 7.4 | 5.2 | << | Extensive development of skills in this area may be required |
| Troubleshooting | 4.5 | 7.3 | 5.1 | << | Extensive development of skills in this area may be required |
| Equipment Selection | 3.3 | 6.4 | 4.4 | << | Extensive development of skills in this area may be required |

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

| Abilities | | Similarity of Focus Occupation to Associated Occupation: 93 | | | |
|--|---------------------------------|---|---------------------------|--------------------------------|--|
| Focus Occupation: Cardiovascular Technologists and Technicians (29-2031) Associated Occupation: Medical and Clinical Laboratory Technicians (29-2012) | | | | | |
| Associated Occupation's Key Abilities Elements | Average Rating, All Occupations | Associated Occupation's Rating | Focus Occupation's Rating | Evaluation of Focus Occupation | |
| Finger Dexterity | 7.6 | 11.0 | 8.9 | < | Some improvement in abilities may be required |
| Flexibility of Closure | 7.8 | 9.8 | 9.2 | 0 | Current ability level may be sufficient |
| Visual Color Discrimination | 6.4 | 9.3 | 6.7 | << | Extensive improvement in abilities may be required |
| Perceptual Speed | 7.4 | 9.1 | 9.7 | 0 | Current ability level may be sufficient |
| Number Facility | 6.3 | 8.7 | 7.3 | < | Some improvement in abilities may be required |

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

| Activities that Both Occupations Have in Common | | Similarity of Focus Occupation to Associated Occupation: 76 |
|--|-------------------------|---|
| Focus Occupation: Cardiovascular Technologists and Technicians (29-2031) Associated Occupation: Medical and Clinical Laboratory Technicians (29-2012) | | |
| Work Activities | Exclusivity of Activity | |
| Analyze medical data | 57 | |
| Communicate technical information | 4 | |
| Follow infectious materials procedures | 52 | |
| Understand technical operating, service or repair manuals | 6 | |
| Use clinical sterilizing technique | 71 | |
| Use hazardous materials information | 35 | |
| Use knowledge of medical terminology | 40 | |
| Use quality assurance techniques | 61 | |
| Use sanitation practices in health care settings | 48 | |

Not all positions in these occupations will necessarily perform all of the listed activities. The exclusivity rating is an indication of how unique the activity is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations engage in that activity.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

| Tools and Technologies that Both Occupations Have in Common | Similarity of Focus Occupation to Associated Occupation: 63 |
|---|---|
|---|---|

Focus Occupation: Cardiovascular Technologists and Technicians (29-2031)
Associated Occupation: Medical and Clinical Laboratory Technicians (29-2012)

| Tools and Technologies | Exclusivity |
|--|--------------------|
| Autoclave and sterilizer equipment and accessories | 12 |
| Clinical and diagnostic analyzers and accessories and supplies | 18 |
| Computer printers | 2 |
| Computers | 1 |
| Data management and query software | 1 |
| Diagnostic assessment and exam products for general use | 21 |
| Industry specific software | 1 |
| Injection and aspiration needles and accessories | 25 |
| Laboratory centrifuges and accessories | 13 |
| Light and wave generating and measuring equipment | 4 |
| Patient point of care testing supplies and equipment | 23 |
| Specimen collection and transport containers and supplies | 14 |
| Surgical support supplies | 33 |
| Syringes and accessories | 14 |
| Viewing and observing instruments and accessories | 4 |

Not all positions in these occupations will necessarily use all of the listed tools and technologies. The exclusivity rating is an indication of how unique the tool or technology is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations use that tool or technology.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.